

19990103.ba v02\_n364.bam.990103 v02\_n365.bam.990103

>From ???@??? Sun Jan 03 12:05:38 1999  
Message-Id: <199901030859.CAA03958@sco.theporch.com>  
Date: Sun, 3 Jan 1999 02:58:35 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2364

## BOATANCHORS Digest 2364

Topics covered in this issue include:

- 1) Re: Steam Whistles and the steam powered boat anchors hobby  
by N5CM@aol.com
- 2) Re: Steam Whistles and the steam powered boat anchors hobby  
by jackiv@juno.com (John M Iverson)
- 3) Re: Steam Whistles  
by jackiv@juno.com (John M Iverson)
- 4) New Years Cleaning  
by gcr2@po.CWRU.Edu (George C. Rybicki)
- 5) Re: Some MARS mysteries solved  
by Kevin Pease <hamradio@mm1001.theporch.com>
- 6) Re: Steam Whistles + my brothers pet monkey.....  
by John Dilks <oldradio@worldnet.att.net>
- 7) Re: Steam Whistles and the steam powered boat anchors hobby  
by "Roberta J. Barmore" <rbarmore@indy.net>
- 8) Foothill Swap Meet Cancelled  
by "Eugene Rippen" <soundval@foothill.net>
- 9) Re: Steam Whistles + my brothers pet monkey.....  
by gpewitt@execpc.com
- 10) Re: Some MARS mysteries solved  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 11) IT-28 cap checker  
by dougsterr@juno.com (Douglas A Knoll)
- 12) Re: Foothill Swap Meet Cancelled  
by W0E0M@aol.com
- 13) Testing Oooold Tubes  
by "Rudolf H. Salomon" <rhs@pacbell.net>
- 14) Re: Steam Whistles + my brothers pet monkey.....  
by Dan Arney <kn6di@groupone.net>
- 15) OOPS! That is Livermore Swap cancelled tomorrow.  
by "Eugene Rippen" <soundval@foothill.net>
- 16) Re: Testing Oooold Tubes  
by Ethan <ethan@olywa.net>
- 17) RE: 1L6 (Tubes for Zenith)  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 18) Livermore?

- by Dick Dillman <ddillman@igc.apc.org>  
19) MoPar Radio Schematic Needed  
by Mike Flicinski <k2uxe@ibm.net>  
20) (no subject)  
by KA6UUP@aol.com  
21) RE: 1L6 in GRC109 / RS-6 manual  
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)  
22) Compactrons  
by "Barry L. Ornitz" <ornitz@tricon.net>

-----  
From: N5CM@aol.com  
Message-ID: <589bea72.368eb21f@aol.com>  
Date: Sat, 2 Jan 1999 18:56:15 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Subject: Re: Steam Whistles and the steam powered boat anchors hobby  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi Richard & Gang,

Somebody stirred up a hornet's nest.

Don't sell the coal fired transmitters down the river! A thermocouple with enough heat could power a multivibrator driving a power transformer, etc.

How about it some of you energetic multi-expertise BA's giving it a go?

Brings to mind the Electric Arc Transmitters of yesteryear. They were long gone when I got my Commercial Telegraph 2nd Class ticket but believe it or not were still allowed as the required "emergency" transmitter in addition to the Main transmitter which was of course Tube. Spark transmitters were also still allowed for the "emergency" transmitter requirement.

The Commercial Telegraph ticket required knowledge of all three types in those days (1938).

The Arc transmitters required that the arc be struck and continue to arc - it could not be started and stopped in accordance with the morse code therefore some method had to be developed wherein the code could be copied. An early method was to use a loop or several turns of wire around the tank circuit and connected to the telegraph key. Key down caused the "load" of the loop to shift the frequency enough that the operator could separate the "key down" signal from

the "back-shunt" signal which was radiated when the key was up!

Hope I haven't bored you folks with this post.

73,      Ken....N5CM....

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Sat, 2 Jan 1999 18:12:20 CST  
Subject: Re: Steam Whistles and the steam powered boat anchors hobby  
Message-ID: <19990102.182056.3518.2.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

one of the first FSK rigs

jak

Jack Iverson      K0EWU      jackiv@juno.com

On Sat, 2 Jan 1999 18:56:15 EST N5CM@aol.com writes:

>Hi Richard & Gang,

>

>Somebody stirred up a hornet's nest.

>

>Don't sell the coal fired transmitters down the river! A thermocouple

>with enough heat could power a multivibrator driving a power trans-

>former, etc.

>

>How about it some of you energetic multi-expertise BA's giving it a

>go?

>

>Brings to mind the Electric Arc Transmitters of yesteryear. They were

>long

>gone when I got my Commercial Telegraph 2nd Class ticket but

>believe it or not were still allowed as the required "emergency"

>transmitter in addition to the Main transmitter which was of course

>Tube. Spark transmitters were also still allowed for the "emergency"

>transmitter requirement.

>

>The Commercial Telegraph ticket required knowledge of all three types

>in

>those days (1938).

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>The Arc transmitters required that the arc be struck and continue to

>arc - it could not be started and stopped in accordance with the

>morse code therefore some method had to be developed wherein the

>code could be copied. An early method was to use a loop or several

>turns of wire around the tank circuit and connected to the telegraph

>key. Key down caused the "load" of the loop to shift the frequency

>enough that the operator could seperate the "key down" signal from  
>the "back-shunt" signal which was radiated when the key was up!

>

>Hope I haven't bored you folks with this post.

>

>73, Ken....N5CM....

>

>

---

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

To: Old Tube Radios <boatanchors@theporch.com>  
Cc: jackiv@juno.com, boatanchors@theporch.com  
Date: Sat, 2 Jan 1999 18:16:01 CST  
Subject: Re: Steam Whistles  
Message-ID: <19990102.182056.3518.4.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

the safety valve on a hot water heater would be launched long before it  
operated. do take care. jak  
Jack Iverson K0EWU jackiv@juno.com

On Sat, 2 Jan 1999 18:23:17 EST N5CM@aol.com writes:

>Hi Jack,

>

>Thanks for the info. I had no idea what pressure the oil drums could  
>stand.

>

>Alternate suggestion: a hot water heater that is still good. It has  
>the

>"pop-off" safety valve and should do the job.

>

>Anyone have the specs for small metal tube or bambo whistles?

>

>73....Ken....N5CM....

>

>

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Message-Id: <199901030039.TAA26992@piglet.INS.CWRU.Edu>  
Date: Sat, 2 Jan 1999 19:39:08 -0500 (EST)  
From: gcr2@po.CWRU.Edu (George C. Rybicki)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: New Years Cleaning

I have some odds and ends FS or trade.  
Drake T4-X and AC-3 PS \$150  
Collins 75 A2 \$250  
National HRO-50 T-1 receiver A,B,C,D,E coils, Xtal cal \$350  
National HRO-50 R receiver B,C coils, manual \$200  
National HRO-50 T-1 receiver B coils fc \$125  
Eico 730 modulator w/manual \$100  
Barker and Williamson 51 sb-b sideband adapter for 51sb w/manual tx \$125  
Heathkit SB-10 ssb adapter w/manual \$60  
DM-21 dyno, BC604 xtals sets, bc-733 glide slope receiver  
Shure 55S mike.  
Enquire for further details, 73 George

-----  
Date: Sat, 2 Jan 1999 19:41:51 -0600 (CST)  
From: Kevin Pease <hamradio@mm1001.theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Some MARS mysteries solved  
Message-ID: <Pine.LNX.3.96.990102193856.3858A-1000000@mm1001.theporch.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Jan 1999, Tom Norris wrote:

> a motor tuned cap for correction. Now did the CV-157 use a  
> similar AFC set-up? (did it have AFC?? ) Or am I thinking of one  
The CV-157 did have an afc much like what is on your mars convertor.  
Infact looking at your pictures the Mars convertor looks alot like the  
cv-157 I used to have. I hate to say it but the best convertor would be a  
DBM with an xtal oscilator for the conversion. I don't know of any  
military set that used a 100 KC IF.

Kevin Pease  
WB0JZG  
Mount Juliet, TN.

-----  
Message-ID: <368EE2A7.789A@worldnet.att.net>  
Date: Sat, 02 Jan 1999 22:23:19 -0500

From: John Dilks <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Steam Whistles + my brothers pet monkey.....  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

To all,

Well I constructed the 55 gal. drum, complete with steam whistle, rope and handel. (I couldn't find a good 6L6 in time, so I think this will do?) So I tied a banana to the handel.

I spent the rest of the day training my brothers pet monkey. Upon being released, he races to the banana and pulls on it until the insides come out; then eats the banana.

About 15 minutes ago I Super-glued a plastic banana to the handel and lit the fire. I'm now safely located about 300 feet away, behind a brick wall. As soon as the drum builds up a good head of steam, I'm going to let the monkey go. This ought'a be fun!

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

-

-----  
Date: Sat, 2 Jan 1999 22:44:51 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Steam Whistles and the steam powered boat anchors hobby  
Message-ID: <Pine.SUN.3.96.990102221405.13990A-100000@indy3>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

On Sat, 2 Jan 1999, Richard Loken wrote:

> At 11:30AM on Saturdays the CBC runs "The Great Eastern" from Newfoundland  
> ...[snip-o-matic]... they announce that they originate from the  
> Broadcast Corporation of Newfoundland who run the last surviving coal fired  
> transmitters in the world.  
...[crunch]...  
> Just an example of our tax dollars working for us.

And a fine use for them, indeed! Sometimes I suspect Canada's main purpose is to be a reservoir of common sense on this continent. :)

But don't sell "coal-fired transmitters" too short--it was not so very long ago that the first thing one did in establishing an industrial facility was get the steam plant up and running--and that includes Marconi's big comms installations. (At least one of 'em cut peat on site!)

...And it is not out of the question that a station \*might\* still be running on a steam-fired power plant today, though I doubt it. (Maybe in China--a big country without heaps of infrastructure and a decent amount of coal, they do still use steam to good advantage).

I do think it is of merit to talk up the local live-steam boyos. It would not be \*that\* big a deal to set up a power-plant. Might have to go 12V and use an inverter (raiding the junkyard for alternators, etc.). It really \*would\* be an attention-getter for Field Day--nothing gathers a tech-minded crowd like a steam engine! (Dig out your '30s gear for this'n, or WW II stuff; '50s glitz won't fly quite as far, I 'spect). I may have to make some calls as things wind towards Spring--the Indiana Transportation Museum is nearby (genuine trains--they even do passenger service to the State Fair from 20-odd miles away, which neatly dodges the parking problem), and if they're not up for it, there's another outfit in Southern Indiana (French Lick, fine resort town--Al Capone recreated there!) with a passel of trains \*and\* the world's shortest, still-operating electric streetcar line...with hams on the staff, no less.

Steam hobbyists are at least as loony and semi-obsessed as we are, and possibly even more outgoing. It might be a pretty good match! ('Sa pity they don't need landline dispatchers, tho reading a sounder is tricky and the OTs frown on International).

The thermopile power source mentioned in this thread was developed in the Soviet Union back when there was one, one of the few times the gang in charge actually \*did\* deliver power to the people. Think it was built to sit 'round the chimney of an oil lamp and play a radio so's folks in the hinterlands could be told of the wonderful advances the Reds were making. (But no Levi's, Comrade--Nyet!) Dunno if every Ivan, Val and Vlad in Kazakistan had one but it really was a clever idea.

Uh-oh, here comes Jack, with an insultingly thick rope! Sorry, boss--just kickin' some ideas around to see if they bounce....

73,  
--Bobbi

(PS: gettin' windy here, don't look for me on the air tonite. Worked CA this afternoon, despite ice on the antenna; now I'm just hoping most of it melted off when our snow/sleet was briefly replaced by rain today. Back to snow now, and howlin', which most of the midwestern contingent can attest to. The rest of ya, count yer blessings; cars are officially banned from the roads hereabouts!)

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

-----  
Message-ID: <000601be36cb\$3a8af9c0\$250c83cc@soundval.foothill.net>  
From: "Eugene Rippen" <soundval@foothill.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Foothill Swap Meet Cancelled  
Date: Sat, 2 Jan 1999 19:43:28 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have been informed by member of the Club  
that sponsors the Foothill Swap Meet that the  
meet scheduled for tomorrow has been cancelled.  
He says that everyone will be turned away.

The road access to the parking lots is closed for paving.

Does anyone have the phone number of Bill Wray  
in San Francisco?

Eugene Rippen

-----  
From: gpewitt@execpc.com  
Date: Sat, 2 Jan 99 21:39:05 PST  
Subject: Re: Steam Whistles + my brothers pet monkey.....  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <Chameleon.990102215328.gpewitt@execpc.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=us-ascii



-----Original Message-----

To all,

Being too lazy to make the 55 gal drum rig (or too chicken) and knowing a fellow who has a whistle off of an old steam locomotive I decided to hook it up to a cylinder of welding oxygen. 3000 psi should make a rather interesting sound. I've always thought that "if a little is good, more is better" right? An eight foot steel cone caught my eye for a megaphone. It's really covered with grease and oil so I shouldn't have to worry about the oxygen causing premature rusting. If I pack it with steel wool it should work like a steel pack muffler to give it a nice tone. Someone said I should pour a couple of gallons of acetone into the steel wool before I sound the whistle. Don't know why he was smiling when he suggested that. I don't have a monkey so I'll just use a long lanyard to operate the whistle. Think 5 or 6 feet should be ok. I'll let you know how it works out.

73 Gary

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
Date: 01/02/99  
Time: 21:39:05

-----  
Date: Sat, 2 Jan 1999 21:45:11 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Some MARS mysteries solved  
Message-ID: <Pine.ULT.3.96.990102214410.8572A-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Jan 1999, Tom Norris wrote:

> a motor tuned cap for correction. Now did the CV-157 use a  
> similar AFC set-up? (did it have AFC?? ) Or am I thinking of one  
> of the RTTY convertors?

The CV-57 RTTY converter has AFC in it but it uses a reactance tube if I remember right.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sat, 2 Jan 1999 21:55:19 -0600  
Subject: IT-28 cap checker  
Message-ID: <19990102.215521.-181925.1.dougsterr@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: dougsterr@juno.com (Douglas A Knoll)

Does anyone have a manual for a Heathkit IT-28 cap checker?

Doug Knoll

-----  
From: W0EOM@aol.com  
Message-ID: <f36a9bcf.368eebbc@aol.com>  
Date: Sat, 2 Jan 1999 23:02:04 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Subject: Re: Foothill Swap Meet Cancelled  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Gene - make Foothill Livermore.  
73, Will

-----  
Message-ID: <368EEC93.4504@pacbell.net>  
Date: Sat, 02 Jan 1999 20:05:39 -0800  
From: "Rudolf H. Salomon" <rhs@pacbell.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Testing Oooold Tubes  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone have the settings for a Hickok 605A, for testing the old 4 pin tubes such as the CX326, UX226, CX380, UY227?

I purchased a supplementary data book for obsolete tubes, by Hickock dated 1965, for this tester, but it seems that the tubes in question are more obsolete than the ones listed in this manual.

73 de Rudy Salomon - KD6NRQ

-----  
Message-ID: <368EECFE.F466B96D@groupone.net>  
Date: Sat, 02 Jan 1999 20:07:26 -0800  
From: Dan Arney <kn6di@groupone.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Steam Whistles + my brothers pet monkey.....  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

And steamed monkey tidbits were had by all. WHH000000000000EEEEEEEE,,...  
Hank

-----  
Message-ID: <001601be36ce\$0317b200\$250c83cc@soundval.foothill.net>  
From: "Eugene Rippen" <soundval@foothill.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: OOPS! That is Livermore Swap cancelled tomorrow.  
Date: Sat, 2 Jan 1999 20:03:24 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry, for calling it Foothill.

-----  
Message-ID: <368EFE10.669605F6@olywa.net>  
Date: Sat, 02 Jan 1999 21:20:16 -0800  
From: Ethan <ethan@olywa.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Testing Oooold Tubes  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I think 605A & 600A use the same settings....

> CX326

> UX226

Think both of these are just 26s, ie:

1.5 JR-3200-0 43 56 P4 1150

> CX380

Think this is just like an 80, ie:

5.0 JR-0300-0 0 20 P3

5.0 JR-0200-0 0 15 P3

> UY227

just a 27:

2.5 JR-3204-0 41 49 P4 1000

Ethan

-----  
Date: Sat, 2 Jan 1999 23:42:33 -0500

From: "ROBERT W. DOWNS" <RWDDowns\_WA5CAB@compuserve.com>

Subject: RE: 1L6 (Tubes for Zenith)

To: Old Tube Radios <boatanchors@theporch.com>

Message-ID: <199901022342\_MC2-6552-6907@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1

Content-Disposition: inline

Group,

Thanks to the several who answered my question on the useage of the 1L6. =

Besides the Zenith that Joe has, the only other useage reported was in R-1004/GRC-109. Armed with this information, I braved the chill in the attic and dug out my RS-6A manual, which is a very similar set, although the power supply components are quite different. The RR-6A (RS-6A receiver unit) uses sub-miniature tubes (5718's and 5899's), not miniatures. =

Strange, as the RS-6 is almost certainly 10-15 years older than the AN/GRC-109. BTW, does anyone have an RS-6 (not RS-6A) manual?

73,

Robert Downs

WA5CAB

Houston, TX

-----  
Date: Sat, 2 Jan 1999 21:28:04 -0800 (PST)

Message-Id: <2.2.16.19990102212806.387f8f6c@pop.igc.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.apc.org>  
Subject: Livermore?

The rumor mill has it that the Livermore, CA swapmeet may not happen tomorrow because the parking lot is torn up. Can anyone confirm if that's true?

I always hate the 0500 wake-up for the swapmeet but I'd \*really\* hate it if there \*were\* no swapmeet.

Regards,

Dick

Dick Dillman  
<ddillman@igc.apc.org>  
WPE2VT W6AWO  
Collector Of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
Message-ID: <368F1CB0.5492@ibm.net>  
Date: Sat, 02 Jan 1999 23:30:56 -0800  
From: Mike Flicinski <k2uxe@ibm.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: MoPar Radio Schematic Needed  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Happy New Year!

Today, while cleaning my garage attic I came across a 1949 Mopar car radio. This radio is now 50 years old and deserves to play again! A schematic copy would be appreciated if anyone can help.

This particular MoPar was made by Philco and is Philco model number PD-4908. The MoPar model number is Model 803. It came out of a 1949 Dodge I owned as a kid.

If anyone can help with a schematic copy I would like to hear these push-pull 6AQ5's sing again!

Copy costs and postage reimbursed, of course.

Mike Flicinski K2UXE  
Round Rock, Texas

-----  
From: KA6UUP@aol.com  
Message-ID: <5c50e1c.368f02f3@aol.com>  
Date: Sun, 3 Jan 1999 00:41:07 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: (no subject)  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Joe, Try the web site below for 1L6 info  
73  
Chuck

<http://www.freivald.org/~padgett/1l6.htm>

-----  
Date: Sun, 3 Jan 1999 01:50:29 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199901030650.BAA02779@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: 1L6 in GRC109 / RS-6 manual

Robert I have one

And was in a conversation with a P3 Navy navigator ca 1968-1971 out of Adak, AK. Their survival pack underslung "bubbles" each had, among things, a 12 man raft and a RS-6 bag... (no antenna balloon!)

They'd unpack the RS-6 & check it on hand-crank every few months & never cud verify if it worked or not. If the RT-6's neon came on, back it went into the pack. If not, pitch entire bag & pack a new one.

This may be party blab fm a 55 yr. old, but he called it the "sardine can set" which gives more credence.

& the RS-6 story, true or false, pales to tales of waking up radars over Vladavistok or the Kamchatka. Waving @ Ivan in Mig-23s, lighting up surfaced subs with the P3's 3-min. arc searchlight, dropping the

USSR subs playboys in empty sonobuoy tubes via torpedo launcher, leaving entire survival bubble behind to load in another '40 ea. surr pack' to blow more fish factory trawler nets, etc.

We were devils.

& I felt the RS-6 stuff was pissant. But he lives nearby & I'll take him to lunch sometime & try to plumb a little more.

Knew RS-6s on AF B-47s. But Navy P3s a new one. The survival 'bubble' sounds like the B-47 bomb-bay arrangement.

Someone somewhere still knows how Arvin or Emerson (?) got commissioned to build 10,000 of the durn RS-6s & how they were meted for spl. survival stuff to needy service branches.... now certainly AF & Navy.

M

-----  
From: "Barry L. Ornitz" <ornitz@tricon.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <Jderm740@aol.com>  
Subject: Compactrons  
Date: Sun, 3 Jan 1999 03:57:36 -0500  
Message-ID: <01be36f7\$1bd330c0\$da4562d8@ornitz.dpnnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In an earlier post, I had said compactrons had 9 to 12 pins. I was wrong. I was confused by the Noval sweep tubes like the 6JB6 that were introduced about the same time as compactrons. Many of the compactrons were sweep tubes, however. All compactrons have 12 pins. Many were available in oddball voltages for series-wired filament TV's. Only a few, mainly some sweep tubes, found common use in ham gear. The 7984, however, was popular in many two-way FM radios.

As penance for starting the thread about the pre-Morse signaling devices (steam whistles), I present the following list for everyone's reference. This is a table of compactrons compiled from the pages of "Essential Characteristics" by General Electric (ETR-13M, 1967). I attempted to upload this list to the Boatanchor archives too. I hope Jack can find time to move it from "incoming" to the correct directory. I do ask the Boatanchors people to not repost in on Usenet or any audiophile site, however. It looks better in a fixed-width font.

Tube Type	JEDEC Base	Heater Current	Tube Classification
1AD2	12DQ	0.200	TV High Voltage Rectifier
1AJ2	12EL	0.200	TV High Voltage Rectifier
2AH2	12DG	0.300	TV High Voltage Rectifier
2AS2	12EW	0.330	TV High Voltage Rectifier
3AT2	12FV	0.220	TV High Voltage Rectifier
3AW2	12HA	0.350	TV High Voltage Rectifier
3BF2	12GQ	0.225	TV High Voltage Rectifier
3BN2	12FV	0.300	TV High Voltage Rectifier
4HA7	12FQ	0.600	Dissimilar Double Triode
4HC7	12FR	0.600	Dissimilar Double Triode
5AZ3	12BR	3.000	Full Wave High Vacuum Rectifier
5HA7	12FQ	0.450	Dissimilar Double Triode
5HC7	12FR	0.450	Dissimilar Double Triode
6AC9	12GN	0.600	Duplex Diode - Triode
6AC10	12FE	0.600	Triple Triode
6AD10	12EZ	1.050	Dissimilar Double Pentode
6AF10	12GX	1.200	Dissimilar Double Pentode
6AF11	12DF	1.050	Dissimilar Double Triode - Pentode
6AG9	12HE	0.820	Triode - Pentode
6AG10	12GT	0.750	Gated Twin Hexode
6AG11	12DA	0.750	Double Diode - Twin Triode
6AL11	12BU	0.900	Dissimilar Double Pentode
6AR11	12DM	0.800	Twin Pentode
6AS11	12DP	1.050	Dissimilar Double Triode - Pentode
6AV11	12BY	0.600	Triple Triode
6AX3	12BL	1.200	TV Damping Diode
6AY11	12DA	0.690	Double Diode - Twin Triode
6B10	12BF	0.600	Double Diode - Twin Triode
6BA11	12ER	0.600	Triode - Twin Pentode
6BD11	12DP	1.050	Dissimilar Double Triode - Pentode
6BE3	12GA	1.200	TV Damping Diode
6BE3A	12GA	1.200	TV Damping Diode
6BF11	12EZ	1.200	Dissimilar Double Pentode
6BH11	12FP	0.800	Twin Triode - Pentode
6BJ3	12BL	1.200	TV Damping Diode
6BK11	12BY	0.600	Three Section Triode
6BN11	12GF	0.800	Twin Pentode
6BV11	12HB	0.900	Twin Pentode
6BZ3	12FX	1.200	TV Damping Diode
6C10	12BQ	0.600	Triple Triode
6CD3	12FX	2.500	Half Wave High Vacuum Rectifier
6CE3	12GK	2.500	Half Wave High Vacuum Rectifier
6CG3	12HF	1.800	TV Damping Diode



6D10	12BY	0.450	Triple Triode
6EA4	12FA	0.200	Beam Triode
6EF4	12HC	0.200	Beam Triode
6FJ7	12BM	0.900	Dissimilar Double Triode
6FM7	12EJ	1.050	Dissimilar Double Triode
6FY7	12EO	1.050	Dissimilar Double Triode
6G11	12BU	1.200	Dissimilar Double Pentode
6GE5	12BJ	1.200	Beam Pentode
6GF5	12BJ	1.200	Beam Pentode
6GV5	12DR	1.200	Beam Pentode
6GY5	12DR	1.500	Beam Pentode
6HB5	12BJ	1.500	Beam Pentode
6HD5	12ES	2.250	Beam Power Amplifier
6HE5	12EY	0.800	Beam Pentode
6HE7	12FS	2.700	Diode - Pentode
6HF5	12FB	2.250	Beam Pentode
6HJ5	12FL	2.250	Beam Power Amplifier
6HS5	12GY	1.500	Beam Triode
6J10	12BT	0.950	Pentode - Gated-Beam Discriminator
6J11	12BW	0.800	Twin Pentode
6JM6	12FJ	1.200	Beam Pentode
6JM6A	12FJ	1.200	Beam Power Amplifier
6JN6	12FK	1.200	Beam Pentode
6JN6A	12FK	1.200	Beam Power Amplifier
6JS6	12FY	2.250	Beam Pentode
6JS6A	12FY	2.250	Beam Pentode
6JZ6	12GD	1.500	Beam Pentode
6JZ8	12DZ	1.200	Triode - Pentode
6K11	12BY	0.600	Three Section Triode
6KD6	12GW	2.850	Beam Power Amplifier
6KE6	12GM	1.500	Beam Power Amplifier
6KN6	12GU	3.000	Beam Power Amplifier
6LB6	12GJ	2.250	Beam Power Amplifier
6LU8	12DZ	1.500	Triode - Pentode
6M11	12CA	0.750	Twin Triode - Pentode
6Q11	12BY	0.600	Three Section Triode
6T9	12FM	0.930	Triode - Pentode
6T10	12EZ	0.950	Dissimilar Double Pentode
6U10	12FE	0.600	Three Section Triode
6Y10	12EZ	0.830	Dissimilar Double Pentode
6Z10	12BT	0.950	Pentode - Gated-Beam Discriminator
8AC9	12GN	0.450	Duplex Diode - Triode
8AR11	12DM	0.600	Twin Pentode
8B10	12BF	0.450	Double Diode - Twin Triode
8BA11	12ER	0.450	Triode - Twin Pentode
8BM11	12FU	0.450	Dissimilar Double Pentode
8BQ11	12DM	0.600	Dissimilar Double Pentode
8BU11	12FP	0.600	Twin Triode - Pentode

9BJ11	12FU	0.450	Dissimilar Double Pentode
10AL11	12BU	0.600	Dissimilar Double Pentode
11AR11	12DM	0.450	Twin Pentode
11BQ11	12DM	0.450	Dissimilar Double Pentode
11BT11	12GS	0.600	Dissimilar Double Triode - Pentode
11FY7	12EG	0.600	Dissimilar Double Triode
12AE10	12EZ	0.450	Dissimilar Double Pentode
12AL11	12BU	0.450	Dissimilar Double Pentode
12AX3	12BL	0.600	TV Damping Diode
12BE3	12GA	0.600	TV Damping Diode
12BE3A	12GA	0.600	TV Damping Diode
12BF11	12EZ	0.600	Dissimilar Double Pentode
12BT3	12BL	0.450	TV Damping Diode
12BV11	12HB	0.450	Twin Pentode
12G11	12BU	0.600	Dissimilar Double Pentode
12GE5	12BJ	0.600	Beam Pentode
12HE7	12FS	1.360	Diode - Pentode
12JN6	12FK	0.600	Beam Pentode
12JN6A	12FK	0.600	Beam Power Amplifier
12JS6	12FY	1.125	Beam Power Amplifier
12T10	12EZ	0.450	Dissimilar Double Pentode
13FM7	12EJ	0.450	Dissimilar Double Triode
13J10	12BT	0.450	Pentode - Gated-Beam Discriminator
13V10	12EZ	0.450	Dissimilar Double Pentode
13Z10	12BT	0.450	Pentode - Gated-Beam Discriminator
14BL11	12GC	0.450	Dissimilar Double Triode - Pentode
14BR11	12GL	0.450	Dissimilar Double Triode - Pentode
15AF11	12DP	0.450	Dissimilar Double Triode - Pentode
15BD11	12DP	0.450	Dissimilar Double Triode - Pentode
15FM7	12EJ	0.450	Dissimilar Double Triode
15FY7	12EO	0.450	Dissimilar Double Triode
16GY5	12DR	0.600	Beam Pentode
16KA6	12GH	0.600	Beam Pentode
17AB10	12BT	0.450	Pentode - Gated-Beam Discriminator
17AX3	12BL	0.450	TV Damping Diode
17BE3	12GA	0.450	TV Damping Diode
17BE3A	12GA	0.450	TV Damping Diode
17BF11	12EZ	0.450	Dissimilar Double Pentode
17BZ3	12FX	0.450	TV Damping Diode
17GE5	12BJ	0.450	Beam Pentode
17GV5	12DR	0.450	Beam Pentode
17JM6	12FJ	0.450	Beam Pentode
17JM6A	12FJ	0.450	Beam Pentode
17JN6	12FK	0.450	Beam Power Amplifier
17JN6A	12FK	0.450	Beam Power Amplifier
17JZ8	12DZ	0.450	Triode - Pentode
17X10	12BT	0.450	Pentode - Gated-Beam Discriminator
21GY5	12DR	0.450	Beam Pentode

21HB5	12BJ	0.450	Beam Pentode
21HB5A	12BJ	0.450	Beam Power Amplifier
21HD5	12ES	0.600	Beam Power Amplifier
21HJ5	12FL	0.600	Beam Pentode
21JV6	12FK	0.450	Beam Pentode
21JZ6	12GD	0.450	Beam Pentode
21KA6	12GH	0.450	Beam Pentode
21LU8	12DZ	0.450	Triode - Pentode
22BW3	12FX	0.450	TV Damping Diode
23JS6A	12FY	0.600	Beam Power Amplifier
23Z9	12GZ	0.450	Dissimilar Double Triode - Pentode
25CG3	12HF	0.450	TV Damping Diode
28HD5	12ES	0.450	Beam Power Amplifier
30AG11	12DA	0.140	Duplex Diode - Twin Triode
30HJ5	12FL	0.450	Beam Pentode
30KD6	12GW	0.600	Beam Power Amplifier
31JS6A	12FY	0.450	Beam Pentode
33GT7	12FC	0.450	Diode - Pentode
33GY7	12FN	0.450	Diode - Pentode
33GY7A	12FN	0.450	Diode - Pentode
33JV6	12FK	0.300	Beam Pentode
34CD3	12FX	0.450	Half Wave High Vacuum Rectifier
34CE3	12GK	0.450	Half Wave High Vacuum Rectifier
38HE7	12FS	0.450	Diode - Pentode
38HK7	12FS	0.450	Diode - Pentode
40KD6	12GW	0.450	Beam Pentode
42KN6	12GU	0.450	Beam Power Amplifier
56R9	12EN	0.150	Triode - Pentode
58HE7	12FS	0.300	Diode - Pentode
7984	12EU	0.580	Beam Pentode
8149	12DT	0.600	Beam Power Amplifier
8150	12DU	0.600	Beam Power Amplifier
8156	12EU	0.300	Beam Pentode

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 End of BOATANCHORS Digest 2364  
 \*\*\*\*\*

>From ???@??? Sun Jan 03 20:23:47 1999  
Message-Id: <199901032300.RAA09475@sco.theporch.com>  
Date: Sun, 3 Jan 1999 17:00:14 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2365

BOATANCHORS Digest 2365

Topics covered in this issue include:

- 1) Halli S-38 knobs ?  
by BEN NOCK <G4BXD@compuserve.com>
- 2) RE: Steam Whistles and the steam powered boat anchors hobby  
by "Christopher A. Bowne" <radiobwn@riconnect.com>
- 3) FS: Heathkit HAM manuals  
by Bill Robbins <billrobb@net-link.net>
- 4) Re: Tubes for Zenith trans - oceanic  
by "Bill Riches" <briches@bellatlantic.net>
- 5) Re: Steam Whistles and the steam powered boat anchors hobby  
by John Dilks <oldradio@worldnet.att.net>
- 6) Re: Testing Oooold Tubes  
by "Roberta J. Barmore" <rbarmore@indy.net>
- 7) FS:ART13 CONTROL BOX  
by Maurice Weinschenker <morrry@ix.netcom.com>
- 8) Re: MoPar Radio Schematic Needed  
by "Tom Frobase" <tfrobase@ghg.net>
- 9) Re: Testing Oooold Tubes  
by "Rudolf H. Salomon" <rhs@pacbell.net>
- 10) Re: \*\* NEW AR-88 WEB pages! \*\*  
by luc dugas <collins2@globetrotter.net>
- 11) ID Mystery Transmitter?  
by "Christopher A. Bowne" <radiobwn@riconnect.com>
- 12) Boatanchor Articles on the AWA web page + Calendar of Radio Events  
by John Dilks <oldradio@worldnet.att.net>
- 13) SP-600 Cabinet needed  
by Tom Norris <badger@telalink.net>
- 14) Re: Compactrons  
by mblair@gruumsh.irv.ca.us
- 15) RD Instruments Model 1575 Tube Tester??  
by Tom Norris <badger@telalink.net>
- 16) FS: SX-28A  
by Dick Dillman <ddillman@igc.apc.org>
- 17) Re: Compactrons  
by jackiv@juno.com (John M Iverson)
- 18) Transformer Winding  
by "Gretchen" <rbrunner@gis.net>
- 19) Re: Compactrons

by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
20) RE: Steam Whistles and the steam powered boat anchors hobby  
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
21) Need Information on Hammarlund SP-600 VLF models  
by "Dennis Gibbs" <dgibbs@Rational.Com>  
22) Re: Steam Whistles: CAUTION!!  
by "Steve" <scb@mail.internettport.net>

-----  
Date: Sun, 3 Jan 1999 04:51:05 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Halli S-38 knobs ?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901030451\_MC2-654B-12BC@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Halli S-38 tuning knob needed.

Thanks to Pete I have one but still need another. The large tuning knob  
off a Halli S-38 rx, number 15-A-047, to be exact. =

Also, two of the smaller ones, 15-A-058, if anyone can help. =

cheers and a Happy New Year to all the members. =

Ben. G4BXD.

-----  
Message-ID: <01BE36DE.F5554B80@mys8.riconnect.com>  
From: "Christopher A. Bowne" <radiobwn@riconnect.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: RE: Steam Whistles and the steam powered boat anchors hobby  
Date: Sun, 3 Jan 1999 06:03:03 -0500

The two arts actually coexist in a least one unique venue - The New England  
Wireless and Steam Musuem, in East Greenwich, Rhode Island. Musuem  
founder, Bob Merriam, and a fanatically devoted support group has put  
together a terrific collection of working steam machinery, includng some  
GIGANTIC industrial Corliss machines from the 19th century. And the oldest  
surviving building in the world built specifcally to house a radio station  
- the original Massie Wireless system station PJ, which was built in Point

Judith, RI in about 1904, complete with its radio gear. The ground floor of the Massie station houses a working ham station, which includes W1BBs (Mr. 160 Meters) home brew transmitter

One item of the collection is a small steam driven 12 V DC generator originally used on a tug boat in New York harbor to power the boat's radios. Someday, it just might be the prime mover for a CW signal from there during the annual Yankee Steam Up weeeend in September.

The Msuem has a web site, but I can't come up with the URL at the moment. A search on the musuem name will get you there.

In the metaphysical sense, a very large percentage of our signals, boatanchor or otherwise, are steam powered, if you think about where the last mechanical to electrical pwer conversion occured upstream of your finals. Unless you are running, as the good General (Electric) intended, your BC-191 from a BD-77!

73,

Chris Bowne, AJ1G  
Stonington, CT  
radiobwn@ricconnect.com  
AMI No. 211

-----  
Message-Id: <3.0.6.32.19990103075143.007a26d0@serv01.net-link.net>  
Date: Sun, 03 Jan 1999 07:51:43 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Bill Robbins <billrobb@net-link.net>  
Subject: FS: Heathkit HAM manuals  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This is the last of the Heath manuals. All are originals. They are priced in 3 catagories...\$8, \$12, other..... all SHIPPED:

\$8

GH-52	Soldering Iron
HD-1234	Coaxial Switch
HD-1984	Micoder II
HN-31	Cantenna Dummy Load
HS-24	Mobile Speaker
SB-600	Communications Speaker
SB-604	Accessory Speaker
SS-3	Speaker System

\$12

GC-1005 Electronic Clock  
HA-202 2-Meter FM Amplifier  
HD-15 Hybrid Phone Patch  
HD-1515 Phone Patch  
HG-10 VFO  
HM-11 SWR Bridge  
HM-15 SWR Bridge  
HO-10 Monitor Scope  
HP-1144 AC Power Supply  
HW-29 6er

#### OTHER

Dx-20 Amateur Transmitter \$15  
HW-104 SSB Transceiver 18  
HWA-5400-1 PS/Clock 18  
SA-2040 Antenna Tuner 15  
SA-5010 Micro-matic Keyer 15  
SB-104 SSB Trans -Assewmbly 18  
SB-104 SSB trans -Opeation 20  
SB-310 Shortwave Receiver 20

Happy holidays

Bill

Heathkit Collector

WA8CDU formerly WN8CDU

-----  
Message-ID: <003e01be3723\$aafc8ad60\$5b5c9ed1@billriches>  
From: "Bill Riches" <briches@bellatlantic.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Tubes for Zenith trans - oceanic  
Date: Sun, 3 Jan 1999 09:16:40 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Wilkowski, Joseph <Joseph.Wilkowski@usa.xerox.com>

To: Old Tube Radios <boatanchors@theporch.com>  
Date: Saturday, January 02, 1999 4:02 AM  
Subject: Tubes for Zenith trans - oceanic

>  
>Anchorites,  
>  
. I need a 3V4  
>and also a  
>1L6 it has a  
>very low emission probably not suitable to produce any kind of mixing  
>products.

Joe>  
Dont pitch the 1L6 - they can read real low on emission but still work  
fine - AES has them.

73, Bill, WA2DVU  
Cape May, NJ

-----  
Message-ID: <368F876B.BB3@worldnet.att.net>  
Date: Sun, 03 Jan 1999 10:06:19 -0500  
From: John Dilks <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Steam Whistles and the steam powered boat anchors hobby  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The web site is:

<http://users.ids.net/~newsm/>

Christopher A. Bowne wrote:

>  
> The two arts actually coexist in a least one unique venue - The New England  
> Wireless and Steam Musuem, in East Greenwich, Rhode Island. Musuem  
> founder, Bob Merriam, and a fanatically devoted support group has put  
> together a terrific collection of working steam machinery, includng some  
> GIGANTIC industrial Corliss machines from the 19th century.  
> ----snip-----  
> The Museum has a web site, but I can't come up with the URL at the moment. A  
> search on the musuem name will get you there.



--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

-

-----  
Date: Sun, 3 Jan 1999 10:44:05 -0500 (EST)  
From: "Roberta J. Barmore" <[rbarmore@indy.net](mailto:rbarmore@indy.net)>  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
cc: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Subject: Re: Testing Oooold Tubes  
Message-ID: <[Pine.SUN.3.96.990103103129.24955A-1000000@indy2](mailto:Pine.SUN.3.96.990103103129.24955A-1000000@indy2)>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

On Sat, 2 Jan 1999, Rudolf H. Salomon wrote:

> Anyone have the settings [...] for testing the old 4 pin  
> tubes such as the CX326, UX226, CX380, UY227?

It has been said before but it is worth saying again--the alphanumeric prefixes on these tubes indicate manufacturer (and base style); they're (usually) listed in the settings under their generic numbers! This bit of lore is easily lost.

CX326 is a Cunningham '26; UX226 is an RCA '26. Both have "UX" four-pin bases. Directly-heated triode, 1.5V heater (sez RCA). Decent receiving tube.

CX380, a Cunningham '80, the four-pin ancestor to the 5Y3.

UY227, an RCA '27 with the five-pin UY base, a splendid GP triode, 2.5V filament.

I have the Hickok (535? I think) setting for these tubes at work. Don't know how they'd translate to other Hickok testers.

Basing for the 4- 5- and 6- pin receiver tubes of yore was utterly standard as long as you knew if it was a rectifier or not, and took the presence/absence of a top cap into account. (So standard that "Radio" in the large-format, early '30s incarnation ran *\*all\** the receiving-tube bases as a sort of "frame" around their cover illustration!)

73,  
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

-----  
Message-ID: <368F91D3.CAE5260D@ix.netcom.com>  
Date: Sun, 03 Jan 1999 10:50:44 -0500  
From: Maurice Weinschenker <morry@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS:ART13 CONTROL BOX  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

FS: CONTROL UNIT C-87/ART13  
NICE SHAPE BUT DIRTY  
24.00 INCLUDES PRIORITY MAIL  
BEST 73 MORRY K3DPJ

-----  
Message-ID: <010801be3738\$0dd769f0\$0201010a@nt-tlf.ampr.org>  
From: "Tom Frobase" <tfrobase@ghg.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: MoPar Radio Schematic Needed  
Date: Sun, 3 Jan 1999 10:42:28 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

If you can't find it here, try this guy:

Seckmans Antique Radio  
6172 Gladys St.  
Revenna OH 44266

Think the area code has changed?

(216) 297-1816

This fellow shows up at all the car shows on the east coast and fixes radios on the spot. He has been helpful to me in the past ... 73 .. N3LLL ... Tom

>Today, while cleaning my garage attic I came across a  
>1949 Mopar car radio. This radio is now 50 years old

>and deserves to play again! A schematic copy would be  
>appreciated if anyone can help.

-----  
Message-ID: <368FA08F.4F8A@pacbell.net>  
Date: Sun, 03 Jan 1999 08:53:35 -0800  
From: "Rudolf H. Salomon" <rhs@pacbell.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: vintage-radio@qth.net, rbarmore@indy.net, Ethan <ethan@olywa.net>,  
"A.B. Bonds" <ab@vuse.vanderbilt.edu>  
Subject: Re: Testing Oooold Tubes  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I want to thank everyone for their response to my question on testing  
the old tubes.

The fact that these are manufacturers numbers to the generic 2 digit  
tubes was right in front of me all the time and brought fourth the " of  
course, I should have known that" as I saw the first of several e-mails  
pointing this out.

As allways, the members of this list come through with answers for  
questions, both large and small, that allow us to move foreward with  
various tube related projects. For me, this is testing the tubes that  
came with an Atwater Kent #42, with the built in AC supply, truly one of  
the proverbial "Boatanchors"

Again, thank you all.

73 de Rudy Salomon - KD6NRQ

-----  
Message-ID: <368F86E3.E1451B08@globetrotter.net>  
Date: Sun, 03 Jan 1999 11:04:03 -0400  
From: luc dugas <collins2@globetrotter.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: \*\* NEW AR-88 WEB pages! \*\*  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

hi Jose, i hope these informations will help you.. rca, as far as i know made  
at least 4 variations of speaker for the ar-88 cr-88 and cr-91 or cr-91a. the  
military version is black wrinkle finish and has a watch(westclock with a long  
tail to wind the clock) in a black bakelite holder attached with 3 small bolts

in the upper left corner of the speaker. that wetsclock watch is almost impossible to find. if someone knows where one can find one please let me know. that watch is exactly the same you can see on marconi 19th set. the speaker has the same chrome grill as the other models but painted black. only the military version has the watch holder. i also saw flat black speaker(most common) with the metallic grill chrome plated. the speaker for the cr-88 or cr-91a were the same color(grey tan) as the front panel of these rx. i saw many of these grey tan speaker with a philco knob in lower right corner. that was attached to a pot and that pot was associated with an audio transformer. i have actually the military version with a watch holder and the grey tan version with a philco knob. i will make pictures of it so you can include it to your webpage.

in ar-88 "ar" stands for army receiver. in cr-88 "cr" stands for commercial receiver i read somewhere. in his book Raymond S Moore says that at first the ar-88 was intended for the amateur market but the production was diverted to war effort. the war was declared in 1939 and the production seemed to have started in 1941 in montreal. as far as know they were all made in montreal. i'd like feedback on that point. i have a lot of nib parts for ar-88 if you need some.

i want to mention that my ar-88d has the front panel dark grey wrinkle finish exactly like the collins st-james grey.

luc

ve2lgj

JOSE V. GAVILA (EB5AGV/EC5AAU) wrote:

JOSE V. GAVILA (EB5AGV/EC5AAU) wrote:

> Hi gang,  
>  
> As title says, I have just uploaded the new AR-88 pages to my WEB site  
> (address is my signature). They are still under construction (I plan to add  
> some technical info), but I think you will enjoy the pictures. Please, let  
> me know what do you think about them.

>  
> Thanks!  
>  
> Happy 1999!!!  
>

> JOSE

> -----

> 73 EB5AGV / EC5AAU  
> JOSE V. GAVILA  
> Ausias March 46, 15  
> 46910 Benetusser - VALENCIA  
> SPAIN  
>

> \*\* VISIT MY VINTAGE RADIO SITE - updated 3-January-1999 \*\*\*  
> <http://www.geocities.com/SiliconValley/6992/>

> e-mail: eb5agv@ctv.es & eb5agv@amsat.org

-----  
Message-ID: <01BE3713.90F47A00@mys12.riconnect.com>  
From: "Christopher A. Bowne" <radiobwn@riconnect.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ID Mystery Transmitter?  
Date: Sun, 3 Jan 1999 12:21:14 -0500

For several years I have had a nominal 5 and 1/2 foot rack cabinet, gray wrinkle, with a red stripe inlaid chrome trim strip across the top. As received, it contained only 1 narrow panel section, which is a metering panel for what appears to be a commercially built transmitter. The panel contains 5 round glass faced Weston instruments, all mounted on a recessed bakelite subpanel inside a rectangular cutout in the rack panel. The instruments, from left to right, are as follows:

0-25 V AC, with a red line mark at 12.5 V  
0-200 MA DC  
0-100 MA DC  
0-250MA DC  
0-1.5 KV DC

The meters have the remains of a laced wiring harness attached to them.  
all of the meters have mica bypasses caps on their terminals.

>From the above lineup, it appears to be a medium power (several hundred watt?) class unit. The cabinet includes a raised center top section, similar to that of an SX-28 cabinet, with a rounded front edge.

Does anyone know, what if any transmitter this might be from?

73,

Chris Bowne, AJ1G  
Stonington, CT  
radiobwn@riconnect.com

-----  
Message-ID: <368FAF6C.303C@worldnet.att.net>  
Date: Sun, 03 Jan 1999 12:57:00 -0500  
From: John Dilks <oldradio@worldnet.att.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Boatanchor Articles on the AWA web page + Calendar of Radio Events  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

To all,

The AWA Web, Page\_2, has been updated for January 1999. It now appears less cluttered.

[http://www.ggw.org/awa/page\\_2](http://www.ggw.org/awa/page_2)

Additionally, there are now two "Boatanchor" AWA Old Timer's Bulletin (OTB) articles there, complete with photos. I tried to keep the feel of the OTB in the layout. I think you can print the articles on a laser or ink jet and they will come out ok? I'll check from work tomorrow. Anyway, they're on the web. Spread the word. More to come. (It takes about 3 hours to do an article, depending on the number of photos and tables.)

I broke-down and bought my own scanner so I can add OTB pages from the past. This should be an attraction to radio buffs, and increase our membership. It is much handier. Now I don't have to ask permission from my kids. (My, how the tables have turned.)

The "AWA Radio Events" calendar is becoming very popular. I have received some nice comments on it, and some new listings have arrived due to its being there. I'm hoping this calendar will become "the one to go to" for antique radio meets. This too will bring new people to the AWA.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum  
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association  
[http://www.ggw.org/awa/page\\_2](http://www.ggw.org/awa/page_2)

--and--

for the New Jersey Antique Radio Club  
<http://www.eht.com/oldradio>

-

-----  
Message-Id: <3.0.5.32.19990103121651.009f6730@mail1.telalink.net>  
Date: Sun, 03 Jan 1999 12:16:51 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: SP-600 Cabinet needed  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

A week or so ago, I had mentioned I was looking for a cabinet for my Hammarlund Super Pro. Someone replied and said that they had one that was deep enough for a SP-600 and tall enough to put a rackmount speaker. I have lost the email, I have looked everywhere I might have put it and it is gone.... :-(

So, I ask the same question again. Anyone out there with a cabinet for the SP-600? It is much deeper than a R-390, so most "normal" cabinets will not work. Am looking for something desktop size. Used would be preferred as I really can't afford something new costing twice what the receiver is worth. :-)

Thanks and 73

Tom Norris  
KA4RKT Nashville, TN  
badger@telalink.net

Yep, posted to the R-390 list as well, cuz there have been cabinet discussions in the past there.

-----  
From: mblair@gruumsh.irv.ca.us  
Message-Id: <199901031830.KAA22778@gruumsh.irv.ca.us>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Compactrons  
Date: Sun, 03 Jan 1999 10:30:32 -0800

Does anybody know of any test data and/or adapter plans for testing Compactrons with a TV-7D tester?

--  
Mark J. Blair, KE6MYK <mblair@gruumsh.irv.ca.us>  
PGP 2.6.2 public key available from <http://pgp.ai.mit.edu/>  
Web page: <http://members.home.net/mblair1>  
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

-----  
Message-Id: <3.0.5.32.19990103131916.00a0a640@mail1.telalink.net>  
Date: Sun, 03 Jan 1999 13:19:16 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: RD Instruments Model 1575 Tube Tester??  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I posted this earlier this week, but no replies.  
After looking around, turns out the RD Instruments 1575  
is the same as a Hickock 539. At least physically the front  
panel looks very similar to the 539 or the 700. Had not even  
heard of RD Instruments until I saw this tester. Even says  
Hickock on the lable, under RD instruments. Maybe a 539  
that will do a little more? It is in a metal case rather than the  
black covered wood case a 539 or 700 has.

Is this unit another "Tom has the only one in existance and no one  
else has ever heard of them" thing like that Mars Electronics  
SSB RX convertor? heehee.

>( my preivious post )  
>Nifty tester, almost as large as a TV-2, with a seperate line voltage meter  
>and an adjustable bias meter that doubles as a current meter for testing  
>VR tubes. Roll chart on bottom. Half the weight of a TV-2!!!  
>

Thanks all

Tom

-----  
Date: Sun, 3 Jan 1999 12:36:38 -0800 (PST)  
Message-Id: <2.2.16.19990103123640.42c7a050@pop.igc.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dick Dillman <ddillman@igc.apc.org>  
Subject: FS: SX-28A

This posting is for a friend so please contact him, not me.

Warren Tracy, WB6TMY, has for sale a Hallicrafters SX-28A receiver in good  
condition. He didn't mention a price but said he's "prepared to be  
reasonable". The receiver is located near Santa Rosa, CA and is available  
on a pick-up only basis.

Please contact WB6TMY for further information by phone at 707-527-8124

Best Regards,

Dick

Dick Dillman  
<ddillman@igc.apc.org>



WPE2VT W6AWO  
Collector Of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Sun, 3 Jan 1999 14:30:17 CST  
Subject: Re: Compactrons  
Message-ID: <19990103.143913.10334.1.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

there is an EICO adapter that i think may work with a bit of fiddling  
with the knobs. it is sort of a generic adapter. ill look around here  
and if i find one i will be posting the data. 73 jack  
Jack Iverson K0EWU jackiv@juno.com

-----  
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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Message-Id: <199901032045.PAA11934@home.gis.net>  
From: "Gretchen" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Transformer Winding  
Date: Sun, 3 Jan 1999 15:41:46 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Late again - but what the hey

Long long ago in another life, (my first job) I designed transformers, all  
kinds; distribution trfs to 500 kva, potential transformers to 230 kv,  
balance coils, rectifier transformers, current transformers to 138 kv and  
75,000 amps, burdens and other stuff, and we never wound them other than  
back and forth. Volts between layers is taken care of by the inter-layer  
insulation and is seldom a problem. If you have a big transformer with  
high voltage, more than a few kv, then it is a problem and you go to the  
pancake design to limit the voltage between layers. There are also other  
considerations such as BIL (basic insulation strength / impulse voltage  
strength) which we should not see in our equipment because it shouldn't see  
any direct lightning strikes!

Tube connection: Some were connected to rectifiers.

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Date: Sun, 3 Jan 1999 15:47:01 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199901032047.PAA03189@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Subject: Re: Compactrons

Whatta compilation!!!

I was just about to say the 8873 deserved listing because of it's base...

But it's an 11 pin arrangement.

You know the tube. A conduction-cooled 4CX250-type thing.

Then remembered RCA's 4X250B called the 8122 that Nat'l used & sho  
nuff, 11 pins per '66 ARRL Hbk.

Then thotta 7868 'Compactron equiv.' of 7591 octal audio out & gess  
what? 9 pins.

Those 1st compactons like the 6U10 sure started a 'baseless big-tube'  
flurrie, didn't they?

Marty

-----  
Date: Sun, 3 Jan 1999 16:12:38 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199901032112.QAA03238@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Subject: RE: Steam Whistles and the steam powered boat anchors hobby

Durned interesting Chris

Hey I had a pal in the demolition biz that took a 200hp whistle off  
Cinti Union terminal. Meant 200hp boiler needed to blow it non-stop

Was about 6' high & had ~10" dia. "inlet tube" covered by ~16" dia. dome-  
ended "outlet tube. Not the "Little Toot" sort with a single dia.  
'pointed hat' & a escape notch.

Never heard it run in 'captured 2nd life.' But run it did for a few.  
sec.s @ a time @ the odd steam meet where some man brought a big  
portable boiler.

Think pal gave it to Cinti Historical Soc. with proviso nuts cud take  
it out & toot it regularly - whatever regularly means

BA connection: Cinti Un. Term. was next to Reds' Crosley Field where  
noise was deafening. Crosley built tube radios. Conscience clear.

Marty

-----  
From: "Dennis Gibbs" <dgibbs@Rational.Com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Need Information on Hammarlund SP-600 VLF models  
Date: Sun, 3 Jan 1999 16:12:52 -0500  
Message-ID: <000001be375d\$d47e0f30\$951515ac@dgibbs.rational.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello everyone,

I have an opportunity to purchase a Hammarlund SP-600 VLF model in  
excellent-mint condition. The receiver is not local to me, so I cannot  
examine it personally before making the purchase. I would like to  
determine when this unit was made. Specifically, I'd like to find out  
if this unit has the infamous black paper capacitors in it.

I spoke with the person selling the receiver on the phone. There are  
no definite date codes that he could find. There is no plate on the  
tuner cover like on the traditional SP-600 models. He could not see  
a date code on the power supply can electrolytic. He THINKS he sees  
a date code on a capacitor, but he can't tell whether it is 9-57, or 9-67.

There is a sticker on the back of the unit with a number 55752052, but  
this doesn't sound like an SP-600 serial number. There is something  
written on the side of the chassis that looks like 75-820-I2/5, but it's  
very faint. The coverage of the receiver is 10-540KHz. He has an  
original manual for it, that says it's a VLF-31 model, but we don't know  
if the manual matches the receiver.

My questions are:

1) Assuming it's a VLF-31 model, when were the VLF-31s made? Do they have the infamous black beauty caps in them?

2) What other VLF versions did Hammarlund make, and when were they made? Which ones had the black beauty caps in them?

3) Assuming MINT condition cosmetically and electrically, how much should one of these sell for?

I've seen various lists of the versions of SP-600 receivers, but I still can't seem to pinpoint when the VLF versions were made.

Thanks for any help,

Dennis Gibbs  
dgibbs@rational.com

-----  
Message-Id: <199901032313.RAA27323@loki.internettport.net>  
From: "Steve" <scb@mail.internettport.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sun, 3 Jan 1999 16:56:19 +0000  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: Re: Steam Whistles: CAUTION!!  
CC: <boatanchors@theporch.com>

>"----and knowing a fellow who has a whistle off of an old steam locomotive I decided to hook it up to a cylinder of welding oxygen. 3000 psi should make a rather interesting sound. I've always thought that "if a little is good, more is better" right? An eight foot steel cone caught my eye for a megaphone. It's really covered with grease and oil ----."

HI Gary & Group;

Golly, I do hope this one is in jest! First thing I learned about welding is that any pressurized contact of oxygen with oil or any other hydrocarbon, as in a valve or fitting, *\*will\** cause an explosion!! No Kidding, & not common knowledge outside industry. Pressurized Oxygen improperly handled Is Dangerous Stuff!!

Regards; Steve

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End of BOATANCHORS Digest 2365

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